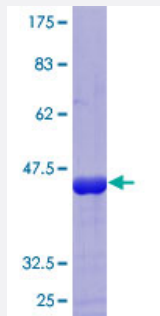


PDE4D (Human) Recombinant Protein (Q01)

Catalog # H00005144-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PDE4D partial ORF (NP_006194.2, 581 a.a. - 673 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SPAPDDPEEGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDSKTLCTQDSESTEIPLDEQVEEEAVGEEEEESQPEACVIDDRSPDT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.97
Interspecies Antigen Sequence	Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDE4D

Entrez GeneID	5144
GeneBank Accession#	NM_006203
Protein Accession#	NP_006194.2
Gene Name	PDE4D
Gene Alias	DPDE3, HSPDE4D, PDE4DN2, STRK1
Gene Description	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)
Omim ID	600129 606799
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins
Other Designations	cAMP-specific phosphodiesterase 4D cAMP-specific phosphodiesterase PDE4D6 dunce-like phosphodiesterase E3 phosphodiesterase 4D, cAMP-specific (dunce

Pathway

- [Purine metabolism](#)

Disease

- [Angina](#)
- [Arterial Occlusive Diseases](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Embolism](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Arteriosclerosis](#)
- [Intracranial Hemorrhages](#)
- [Ischemia](#)

- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Werner syndrome](#)